









**Hydrophylized microporous polytetrafluorethylene membrane and production process thereof.****Publication number:** EP0463627**Publication date:** 1992-01-02**Inventor:** BRINK HANS-JUERGEN DR (DE); KOELLING HARTMUTH DR (DE); LUNKWITZ KLAUS DR (DE); KLATT BRUNO DR (DE); HORX MANFRED (DE); HERRMANN REIMUND (DE); BUERGER WOLFGANG DR (DE)**Applicant:** BITTERFELD WOLFEN CHEMIE (DE)**Classification:****- international:** B01D71/36; B29C67/20; C08J9/26; B01D71/00; B29C67/20; C08J9/00; (IPC1-7): B01D67/00; B01D71/36**- European:** B01D71/36; B29C67/20C; C08J9/26**Application number:** EP19910110744 19910628**Priority number(s):** DD19900342303 19900629; DD19900342304 19900629; DD19900342300 19900629**Also published as:** EP0463627 (A3)  
 DE4117281 (A1)  
 EP0463627 (B1)**Cited documents:** US3170858  
 EP0430082  
 FR2250793  
 EP0369466  
 JP61249502**Report a data error here****Abstract of EP0463627**

The invention relates to a hydrophilised, microporous membrane and to a production process thereof. The object of the invention is to produce a hydrophilised, microporous membrane made of PTFE. According to the invention, the hydrophilised microporous membrane consists of unmodified PTFE and 2.5 to 25 % by mass of highly functionalised PTFE as a largely polymer-identical hydrophilising agent. The highly functionalised PTFE is obtained by irradiation and, if appropriate, by additions of sulphites and/or carbonates. The invention also relates to production processes for the membranes.

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